

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

LISTING OF CLAIMS

- 1 1. (Currently Amended) A method of transporting voice, voiceband data and
2 phone signaling over a network, the method comprising the steps of:
3 converting analog phone signals into packets for transporting digitized voice,
4 digitized voiceband data and digitized phone signaling, wherein said
5 packets conform to a set of protocols that excludes ~~IP~~Internet
6 Protocol (IP); and
7 transmitting said packets over a local area network that supports levels of
8 transmission priority for transmitting data.
- A 1 2. (Original) The method of Claim 1, wherein said local area
2 network follows an HomePNA network protocol.
- 1 3. (Original) The method of Claim 1, wherein said packets include packets that
2 conform to an AAL2 format.
- 1 4. (Original) The method of Claim 1, wherein the step of transmitting includes
2 transmitting said packets over phone line inside wiring in a residence that is
3 connected to one or more analog telephones.
- 1 5. (Original) The method of Claim 1, wherein the step of transmitting includes
2 causing said packets to be transmitted at a particular level of said levels of
3 transmission priority.

1 6. (Original) The method of Claim 5, wherein said particular level is the highest
2 level of said levels of transmission priority.

1 7. (Original) The method of Claim 1, wherein the steps of converting and
2 transmitting are performed by a phone line adaptor connected to a separate
3 device that transmits said analog phone signals to said phone line adaptor.

1 8. (Currently Amended) A network device that can transmit voice, voiceband
2 data and phone signaling via a network, comprising:
3 a Codec configured to receive analog phone signals and generate digitized
4 voice, and digitized voiceband data;
5 a ~~SLIC~~Subscriber Line Interface Circuit (SLIC) configured to receive analog
6 phone signaling and generate digitized phone signaling;
7 a network interface for interfacing to an LAN that follows a local area
8 network protocol that supports levels of transmission priority for
9 transmitting data;
10 said network device configured to generate packets that
11 include said digitized voice, digitized voiceband data and digitized
12 phone signaling, wherein said packets conform to a set of protocols
13 that excludes ~~IP~~Internet Protocol (IP); and
14 said network device configured to transmit said packets via said local area
15 network.

1 9. (Original) The network device of Claim 8, wherein said local
2 area network protocol is a HomePNA network protocol.

1 10. (Original) The network device of Claim 8, wherein said packets also
2 conform to an AAL2 format.

- 1 11. (Original) The network device of Claim 8, wherein said LAN uses as a
2 transmission medium phone line inside wiring in a home that is connected to
3 one or more analog telephones.
- 1 12. (Original) The network device of Claim 8, wherein said network device is
2 configured to cause said packets to be transmitted at a particular level of said
3 levels of transmission priority.
- 1 13. (Original) The network device of Claim 12, wherein said particular level is
2 the highest level of said levels of transmission priority.
- 1 14. (Original) The network device of Claim 8, wherein said network device is a
2 phone line adapter configured to receive said phone analog signals from a
3 separate device connected to said phone line adaptor.
- 1 15. (~~Currently Amended~~) A network device that can transmit digitized voice,
2 digitized voiceband data, and digitized phone signaling via a network,
3 comprising:
4 a Codec configured to receive analog phone signals and generate digitized
5 voice and digitized voiceband data;
6 a ~~SLIC~~ Subscriber Line Interface Circuit (SLIC) configured to receive analog
7 phone signaling and generate digitized versions of said analog phone
8 signaling.
9 a means for interfacing to an LAN that follows a local area network protocol
10 that supports levels of transmission priority for transmitting data and
11 that uses inside wiring as a transmission medium;
12 a means for generating packets for transporting digitized voice, digitized
13 voiceband data and digitized phone signaling, wherein said packets

14 conform to a set of protocols that excludes ~~IP~~Internet Protocol (IP);
15 and
16 a means for transmitting said packets via said local area network.

1 16. (Original) The network device of Claim 15, wherein said means for
2 transmitting includes means for transmitting said packets at a particular level
3 of said levels of transmission priority.

1 17. (Original) The network device of Claim 16, wherein said means for
2 transmitting said packets at a particular level includes means for transmitting
3 said packets at the highest level of said levels of transmission priority.

1 18. (~~Currently Amended~~) A computer-readable medium carrying one or more
2 sequences of instructions for transporting digitized voice, digitized voiceband
3 data and digitized phone signaling over a network, wherein execution of the
4 one or more sequences of instructions by one or more processors causes the
5 one or more processors to perform the steps of:
6 converting analog phone signals into packets for transporting digitized voice,
7 digitized voiceband data and digitized phone signaling, wherein said
8 packets conform to a set of protocols that excludes ~~IP~~Internet
9 Protocol (IP); and
10 transmitting said packets over a local area network that supports levels of
11 transmission priority for transmitting data.

1 19. (Original) The computer-readable media of Claim 18, wherein
2 said local area network follows an HomePNA network
3 protocol.

- 1 20. (Original) The computer-readable media of Claim 18, wherein said packets
 - 2 include packets that conform to an AAL2 format.
-